

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

Reclamation District No. 0787 Fair

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0787_01_s _ 2013_7				
Comment Code					
Inspector Comment					
RD 787 shares flood resources with RD 108 with a stockpile of flood response materials.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0787_01_s _ 2013_8				
Comment Code					
Inspector Comment					
RD 787 is current with O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0787_01_s _ 2012_10				
Comment Code					
Inspector Comment					
RD 787 works jointly with RD 108 on training and flood response.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.39	Rating **	A/W	Issue No.	2
LM End	0.50	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.795931 °	38.795268 °
				-121.730627 °	-121.732566 °
DWR ID	DWR_RD0787_01_f_2018_2				
Comment Code					
Inspector Comment					
2017 Site ID: CBD 0.5 L					
Status: Eroding					
2017 Field Notes: Wide levee section, roughly 40 ft.					
Site History: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading.					
Additional erosion due to human use.					

No Photos

LM Start	0.60	Rating **	C	Issue No.	20
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795492 °	38.795492 °
				-121.734410 °	-121.734410 °
DWR ID	DWR_RD0787_01_f_2017_20				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree on waterside slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.67	Rating **	A/W	Issue No.	3
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.795486 °	38.796225 °
				-121.735647 °	-121.738902 °
DWR ID	DWR_RD0787_01_f_2018_3				
Comment Code					
Inspector Comment					
2017 Site ID: CBD 0.9 L					
Status: Eroding					
2017 Field Notes: Oversized embankment.					
Site History: 2011 - Large scallops throughout the entire reach. Toe scour due to tree pop-outs, resulting in a steepening slope. The reduced resistive forces plus clay levee may increase the loading.					

No Photos

LM Start	0.71	Rating **	C	Issue No.	22
LM End	0.71	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.795685 °	38.795685 °
				-121.736317 °	-121.736317 °
DWR ID	DWR_RD0787_01_s_2018_22				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
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M : Minimally Acceptable C : Corrected
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+ Issue Type
Ma : Maintenance Deficiency
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Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.73	Rating **	M	Issue No.	4	
LM End	0.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.795769 °	38.796340 °	
				-121.736798 °	-121.738956 °	
DWR ID	DWR_RD0787_01_f _ 2017_4					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:182						
Site Designation:RD 787-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/18/2017						
Notes:						

LM Start	0.73	Rating **	M	Issue No.	4 (cont)
LM End	0.86	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL_FA_2018_182_1520.jpg



Photo 2 of 3 : LEVAL_FA_2018_182_1522.jpg

*** Location**

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+ Issue Type

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Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)	
LM End	0.73	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.795814 °	38.795814 °	
				-121.736799 °	-121.736799 °	
DWR ID	DWR_RD0787_01_s_2017_9					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside slope from 2017 storms. Recommend monitoring.						

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)
LM End	0.73	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : FA_2018_RD0787_212_9_20181011_00012.jpg



Additional view of erosion, facing upstream. Fall 2018.

Photo 3 of 4 : FA_2018_RD0787_212_9_20181011_00014.jpg



View of erosion, facing downstream. Fall 2018.

LM Start	0.73	Rating **	A/W	Issue No.	9 (cont)
LM End	0.73	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : FA_2018_RD0787_212_9_20180904_00004.jpg



View of what appears to be a slope stability issue on waterside slope.
Spring 2017.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Basin Drain	Left	4.45	10/09/2018 10/09/2018	Zach Jojola

LM Start	0.78	Rating **	A/W	Issue No.	16 (cont)	
LM End	0.78	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.796042°	38.796042°	
				-121.737661°	-121.737661°	
DWR ID	DWR_RD0787_01_s_2017_16					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion on the waterside slope from 2017 storms. Recommend monitoring.						

Photo 2 of 2 : FA_2018_RD0787_212_16_20180904_00007.jpg



View of what appears to be sloughing on the waterside slope. Spring 2017.

LM Start	1.73	Rating **	C	Issue No.	21
LM End	1.73	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.802721 °	38.802721 °
				-121.752680 °	-121.752680 °
DWR ID	DWR_RD0787_01_s_2018_21				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	3.37	Rating **	C	Issue No.	17
LM End	3.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.814743°	38.814743°
				-121.778789°	-121.778789°
DWR ID	DWR_RD0787_01_s_2018_17				
Comment Code					
GA : Garbage					
Inspector Comment					
Speakers on landside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	